

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An absorbent article comprising a substantially liquid pervious topsheet, a substantially liquid impervious backsheet and an absorbent core between said topsheet and said backsheet, wherein said topsheet comprises a nonwoven fabric, wherein said nonwoven fabric comprises
 - a) ~~comprises a plurality of fibers has a surface tension of at least 65 mN/m when being wetted with saline solution;~~
 - b) ~~has a liquid strike through time of less than 5 s for a fifth gush of liquid; and~~
 - e) ~~comprises hydrophilic polymers comprising hydrophilic monomer molecules, a reaction product of a radical polymerization initiator molecules chemically grafted to the surface of at least a part of said plurality of fibers comprised by said nonwoven fabric, said hydrophilic polymers being chemically grafted to said fibers by way of reactive radicals formed from at least one of (i) a reaction between a monomer molecule and a radical polymerization initiator molecule and (ii) a reaction between the fiber surface and a radical polymerization initiator molecule, the amount of radical polymerization initiator molecules being less than 2 wt% of the monomer molecules; and~~
 - d) agent molecules, ~~wherein the amount of radical polymerization initiator molecules is being less than 2 wt% of the monomer molecules and~~ at least three times the amount of the agent molecules by weight,

wherein said nonwoven has a liquid strike through time of less than 5 s for a fifth gush of liquid and wherein said nonwoven provides a surface tension measurement of at least 65 mN/m according to the Determination of Surface Tension method.
2. (Previously presented) An absorbent article according to claim 1, wherein said nonwoven fabric comprises at least a first plurality of fibers and a second plurality of fibers, wherein said first plurality of fibers is different from said second plurality of fibers.

3. (Previously presented) An absorbent article according to claim 2, wherein only said first plurality of fibers has hydrophilic polymers grafted to their surface.
4. (Previously presented) An absorbent article according to claim 1, wherein said strike through time after said first and said fifth gush of said nonwoven fabric does not decrease more than 5% after storage of said absorbent article for at least 10 weeks.
5. (Currently Amended) An absorbent article according to claim 1, wherein said ~~polymerized hydrophilic monomer~~ molecule comprises ~~a molecule comprising~~ at least one unsaturated double bond.
6. (Currently Amended) An absorbent article according to claim 5, wherein said ~~polymerized hydrophilic monomer~~ molecule comprises ~~a molecule comprising~~ a group which is able to react with an acid or base to form a salt.
7. (Currently Amended) An absorbent article according to claim 6, wherein said ~~polymerized hydrophilic monomer~~ molecule comprises ~~a molecule comprising~~ acrylic acid or its salt.
8. (Currently Amended) An absorbent article according to claim 1, wherein said polymers are added to at least on said first plurality of fibers in a weight percent range of from 0.3 wt% to 10 wt% by weight of the fibers.
9. (Currently Amended) An absorbent article according to claim 8, wherein said polymers are added to said first and said second plurality of fibers in a weight percent range of 0.3 wt% to 10 wt% by weight of the fibers.

10-20 (Canceled)

21. (Currently Amended) An absorbent article comprising a substantially liquid pervious topsheet, a substantially liquid impervious backsheet and an absorbent core between said topsheet and said backsheet, wherein said absorbent core is provided with a nonwoven core wrap material, ~~which comprises a nonwoven fabric, wherein said nonwoven~~ core wrap material fabric comprising

a) ~~comprises a plurality of fibers has a surface tension of at least 65 mN/m when being wetted with saline solution;~~

b) ~~has a liquid strike through time of less than 5 s for a fifth gush of liquid; and~~

e) ~~comprises hydrophilic polymers comprising hydrophilic monomer molecules, a reaction product of a radical polymerization initiator molecules~~ chemically grafted to the surface of at least a part of said plurality of fibers ~~comprised by said nonwoven fabric~~, said hydrophilic polymers being chemically grafted to said fibers by way of reactive radicals formed from at least one of (i) a reaction between a monomer molecule and a radical polymerization initiator molecule and (ii) a reaction between the fiber surface and a radical polymerization initiator molecule, the amount of radical polymerization initiator molecules being less than 2 wt% of the monomer molecules; and

d) agent molecules, ~~wherein~~ the amount of radical polymerization initiator molecules is being less than 2 wt% of the monomer molecules and at least three times the amount of the agent molecules by weight,

wherein said nonwoven has a liquid strike through time of less than 5 s for a fifth gush of liquid and wherein said nonwoven provides a surface tension measurement of at least 65 mN/m according to the Determination of Surface Tension method.

22. (Previously presented) An absorbent article according to claim 21, wherein said nonwoven fabric comprises at least a first plurality of fibers and a second plurality of fibers, wherein said first plurality of fibers is different from said second plurality of fibers.
23. (Previously presented) An absorbent article according to claim 22, wherein only said first plurality of fibers has hydrophilic polymers grafted to their surface.
24. (Previously presented) An absorbent article according to claim 21, wherein said strike through time after said first and said fifth gush of said nonwoven fabric does not decrease more than 5% after storage of said absorbent article for at least 10 weeks.
25. (Currently Amended) An absorbent article according to claim 21, wherein said ~~polymerized hydrophilic monomer molecule~~ comprises a molecule comprising at least one unsaturated double bond.
26. (Currently Amended) An absorbent article according to claim 25, wherein said ~~polymerized hydrophilic monomer molecule~~ comprises a molecule comprising a group which is able to react with an acid or base to form a salt.

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27. (Currently Amended) An absorbent article according to claim 26, wherein said ~~polymerized hydrophilic monomer~~ molecule comprises ~~a molecule comprising~~ acrylic acid or its salt.
28. (Currently Amended) An absorbent article according to claim 21, wherein said polymers are added to ~~at least on~~ said first plurality of fibers in a weight percent range of from 0.3 wt% to 10 wt% by weight of the fibers.
29. (Currently Amended) An absorbent article according to claim 28, wherein said polymers are added to said first and said second plurality of fibers in a weight percent range of 0.3 wt% to 10 wt% by weight of the fibers.